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PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration  
Submitted  
With Initial  
Filing

OR

☒ Declaration  
Submitted after  
Initial Filing  
(surcharge  
(37 CFR 1.16(e))  
required)

Attorney Docket Number

4680 US

First Named Inventor

Paul O. Ramstad

**COMPLETE IF KNOWN**

Application Number

10/661,231

Filing Date

September 12, 2003

Art Unit

1743

Examiner Name

To be assigned

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**LOADING FEATURES FOR CHANNEL ARRAY**

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ Was filed on (MM/DD/YYYY) **09/12/2003** as United States Application Number or PCT International

Application Number **10/661,231** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed		Certified Copy Attached?	
			YES	NO	YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

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## DECLARATION - Utility or Design Patent Application

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22896

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City

State

Zip

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued hereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor.

Given Name  
(first and middle [if any]) Paul O.

Family Name  
Or Surname Ramstad

Inventor's  
Signature

Date

Residence: City San Jose

State CA

Country US

Citizenship US

Mailing Address 750 Crestmoor Drive

City San Jose

State CA

Zip 95129

Country US

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor.

Given Name  
(first and middle [if any]) Sean M.

Family Name  
Or Surname Desmond

Inventor's  
Signature

Date

Residence: City San Carlos

State CA

Country US

Citizenship US

Mailing Address 1939 Birch Avenue

City San Carlos

State CA

Zip 94070

Country US

☒ Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB02A attached hereto.

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PTO/SB/02A (10-01)

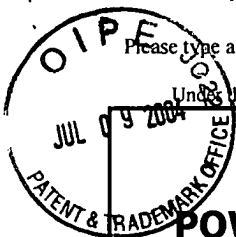
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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>1</u> of <u>1</u> .
--------------------	---

Name of Additional Joint Inventor, if any:		<b>Executrix for inventor John Shigeura (DECEASED)</b>	
Given Name (first and middle [if any]) Janice G.		Family Name Or Surname Shigeura, Executrix for John S. Shigeura	
Inventor's Signature <i>Janice G. Shigeura</i>		Date <u>6-28-04</u>	
Residence: City Portola Valley	State CA	Country US	Citizenship US
Mailing Address 1021 Los Trancos Road			
City Portola Valley	State CA	Zip 94028	Country US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle [if any]) Richard T.		Family Name Or Surname Reel	
Inventor's Signature <i>Richard T. Reel</i>		Date <u>24 JUNE 2004</u>	
Residence: City Hayward	State CA	Country US	Citizenship US
Mailing Address 21630 Western Boulevard			
City Hayward	State CA	Zip 94541	Country US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle [if any]) Richard		Family Name Or Surname Morris	
Inventor's Signature <i>Richard D Morris</i>		Date <u>30 June 2004</u>	
Residence: City San Francisco	State CA	Country US	Citizenship US
Mailing Address 289 Nevada Street			
City San Francisco	State CA	Zip 94110	Country US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle [if any])		Family Name Or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	10/661,231
Filing Date	September 12, 2003
First Named Inventor	Paul O. Ramstad et al.
Group Art Unit	1743
Examiner Name	To be assigned
Attorney Docket Number	4680

I hereby appoint:

☒ Practitioners at Customer Number

22896

22896

PATENT TRADEMARK OFFICE

**OR**☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

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State

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Country

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I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

Phil N. Makrogiannis, Patent Attorney, Reg. No. 47,766

Date

July 7, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.\*

☐ \* Total of \_\_\_\_\_ forms are submitted.

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PTO/SB/81 (10-00)

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Ramstad, Desmond, Shigeura, Reel, Morris

Application No./Patent No.: 10/661,231 Filed/Issue Date: September 12, 2003

Entitled: LOADING FEATURES FOR CHANNEL ARRAY

Applera Corporation

(Name of Assignee)

, a Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was fax filed July 7, 2004 with the Assignment Division.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

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2. From: \_\_\_\_\_ To: \_\_\_\_\_

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3. From: \_\_\_\_\_ To: \_\_\_\_\_

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

July 7, 2004

Date

Philly N. Makrogiannis

Typed or printed name

  
Signature

Patent Attorney

Title



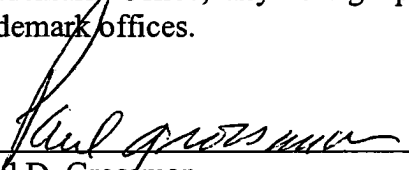
**LIMITED AUTHORIZATION TO ACT ON BEHALF OF ASSIGNEE  
REGARDING CERTAIN PATENT AND TRADEMARK MATTERS  
EFFECTIVE THROUGH: December 31, 2006**

\*\*\*\*\*

I, Paul D. Grossman, as Assistant Secretary of Applera Corporation ("Applera"), hereby authorize the following patent attorneys:

Scott R. Bortner, Reg. No. 34,298  
John W. Burns, Reg. No. 43,520  
Jeffery D. Frazier, Reg. No. 34,601  
Brian D. Gildea, Reg. No. 39,995  
Andrew T. Karnakis, Reg. No. 27,909  
Phil N. Makrogiannis, Reg. No. 47,766  
Vincent M. Powers, Reg. No. 36,246

(1) to act on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark entities, (2) to execute power of attorney documents on behalf of Applera, to appoint and/or establish any attorneys, agents, and/or law firms to act on behalf of Applera, in any foreign or international patent or trademark applications filed with any foreign and/or international patent or trademark offices, and (3) to execute assignment and ownership documents on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark offices.

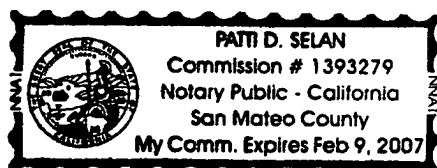
  
Paul D. Grossman  
Assistant Secretary,  
Applera Corporation

3/26/04  
Date

State of California )  
 ) ss.  
County of San Mateo )

On March 26, 2004 before me, Patti D. Selan, personally appeared Paul D. Grossman, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.





Notary Public



\* \* COMMUNICATION RESULT REPORT ( JUL. 7. 2004 2:11PM ) \* \* \*

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8/8

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E-4) NO FACSIMILE CONNECTION

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**FAX TRANSMITTAL****Date:** July 7, 2004

**To:** Commissioner of Patents and Trademarks  
Assignment Division  
United States Patent and Trademark Office  
P.O. Box 1450, Alexandria, VA 22313-1450

**Fax No.:** 703-306-5995**Telephone No.:** 703-308-9723

**From:** Cheri Gomez for Phil N. Makrogiannis, Reg. No. 47,766  
Legal Department  
Fax No.: 650-638-6677  
Telephone No.: 650-638-5039  
Email: gomezcn@applera.com

**Subject:** U.S. Patent Application No. 10/661,231  
Filing Date: September 12, 2003  
Attorney Docket No.: 4680

**No. of pages (including cover sheet):** 8**Message:**

Attached please find a Recordation Form Cover Sheet (in duplicate) and an executed Assignment (6 pages) for the above-identified patent application. Applicants respectfully request a recordation of Assignment and hereby authorize the Commissioner to charge the required fees to Deposit Account No. 01-2213 (Order No. 4680 US).

Please fax return Notice of Recordation confirmation to fax no. 650-638-6677.

Should you have any questions, please feel free to contact me. Thank you.

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